

EXHIBIT "A"



Disclosure AUS8-1999-0683

Created By: Matthew McClain Created On: [REDACTED]

Last Modified By: Nancy Werchan Last Modified On: [REDACTED]

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Required fields are marked with the asterisk (*) and must be filled in to complete the form.

Summary

Status	Under Evaluation
Processing Location	AUS
Functional Area	46 -SWS- TECHNOLOGY CENTER (W. W. Lawton)
Attorney/Patent Professional	Jeff LaBaw/Austin/IBM
IDT Team	Craig Becker/Austin/IBM
Submitted Date	[REDACTED]
Owning Division	SWSD
PVT Score	To calculate a PVT score, use the "Calculate PVT" button.

Inventors with Lotus Notes IDs

Inventors: Matthew McClain/Austin/IBM, Shane Claussen/Austin/IBM, Lin Xu/Austin/IBM, Ben ZumBrunnen/Austin/IBM

Inventor Name > denotes primary contact	Inventor Serial	Div/Dept	Manager Serial	Manager Name
McClain, Matthew D.	832145	76/R37A	374443	Lawton, W.W. (Bill)
> Claussen, G.S. (Shane)	595375	78/R37A	374443	Lawton, W.W. (Bill)
Xu, Lin	652075	78/R37A	374443	Lawton, W.W. (Bill)
ZumBrunnen, Benjamin C. (Ben)	808909	76/R37A	374443	Lawton, W.W. (Bill)

Inventors without Lotus Notes IDs

IDT Selection

IDT Team:	Attorney/Patent Professional:
Craig Becker/Austin/IBM	Jeff LaBaw/Austin/IBM

Response Due to IP&L: [REDACTED]

Main Idea

*Title of disclosure (in English): Novel way to write custom tag beans

*Idea of disclosure:
1. Describe your invention, stating the problem solved (if appropriate), and indicating the advantages of using the invention.

Our experience has shown that custom tag beans often result in a large amount Java code being generated into the resulting servlet. Since this code is largely common across servlets generated from the same tag bean (variable names might change, but little else), the code can be factored into a separate JavaBean, and the tag bean need only generate enough Java code for the servlet to call out to the separate bean. This dramatically reduces the code in the tag bean handler, and greatly simplifies debugging; thus it increases maintainability of the code. In addition, as a separate JavaBean, you would

be more inclined to add extra error handling code which would be too cumbersome to generate.

2. How does the invention solve the problem or achieve an advantage, (a description of "the invention", including figures inline as appropriate)?

3. If the same advantage or problem has been identified by others (inside/outside IBM), how have those others solved it and does your solution differ and why is it better?

4. If the invention is implemented in a product or prototype, include technical details, purpose, disclosure details to others and the date of that implementation.

***Critical Questions (Questions 1 - 7 must be answered)**

***Question 1**
On what date was the invention workable? Please format the date as MM/DD/YYYY
(Workable means i.e. when you know that your design will solve the problem)

***Question 2**
Is there any planned or actual publication or disclosure of your invention to anyone outside IBM? ☒ Yes ☐ No
If yes, Enter the name of each publication or patent and the date published below.
AlphaWorks - JSPx or XSP
July 1999
Are you aware of any publications, products or patents that relate to this invention? ☒ Yes ☐ No
If yes, Enter the name of each publication or patent and the date published below.
JSP 1.0 Specification hints that some of this might be possible
05/12/1999

***Question 3**
Has the subject matter of the invention or a product incorporating the invention been sold, used internally in manufacturing, announced for sale, or included in a proposal? ☐ Yes ☒ No
Is a sale, use in manufacturing, product announcement, or proposal planned? ☒ Yes ☐ No
If Yes, identify the product if known and indicate the date or planned date of sale, announcements, or proposal and to whom the sale, announcement or proposal has been or will be made.
WebSphere
3.x
JSPx or XSP
12/1999
IBM Internal
If more than one, use cut and paste and append as necessary in the field provided.

***Question 4**
Was the subject matter of your invention or a product incorporating your invention used in public, e.g., outside IBM or in the presence of non-IBMers? ☐ Yes ☒ No
If yes, give a date. Please format the date as MM/DD/YYYY

***Question 5**
Have you ever discussed your invention with others not employed at IBM? ☐ Yes ☒ No

If yes, identify individuals and date discussed. Fill in the text area with the following information, the names of the individuals, the employer, date discussed, under CDA, and CDA #.

*Question 6 Was the invention, in any way, started or developed under a government contract or project?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not sure
If Yes, enter the contract number:	

*Question 7 Was the invention made in the course of any alliance, joint development or other contract activities?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not Sure
If Yes, enter the following: Name of Alliance, Contractor or Joint Developer	
Contract ID number:	
Relationship contact name:	
Relationship contact E-mail:	
Relationship contact phone:	

Question 8 Have you submitted, or are you aware of, any related disclosure submission?	<input checked="" type="radio"/> Yes <input type="radio"/> No
If Yes, please provide the title and docket or disclosure number below: All of these are by the same team and may have yet to be entered:	
Custom DOM tags Scripting language blocks to support multiple scripting languages in a single web page Verifying context between multiple related XML tags in a DOM Libraries of Custom Tags Transactional JSP Method to get case-insensitive tag recognition from case-sensitive language Servlet DOM/dtd Scripting against a DOM as opposed to an output stream Caching a DOM as opposed to an output stream Novel way to write custom tag beans	

Question 9 What type of companies do you expect to compete with inventions of this type? Check all that apply.
<input type="checkbox"/> Manufacturers of enterprise servers <input type="checkbox"/> Manufacturers of entry servers <input type="checkbox"/> Manufacturers of workstations <input type="checkbox"/> Manufacturers of PC's <input type="checkbox"/> Non-computer manufacturers <input type="checkbox"/> Developers of operating systems <input checked="" type="checkbox"/> Developers of networking software <input checked="" type="checkbox"/> Developers of application software <input checked="" type="checkbox"/> Integrated solution providers <input checked="" type="checkbox"/> Service providers <input type="checkbox"/> Other (Please specify below)

Patent Value Tool (Optional - this may be used by the inventor and attorney to assist with the evalua

Novel way to write custom tag beans - continued

(The Patent Value tool can be used by you or the evaluation team to determine the potential licensing value of your invention.)

The Patent Value Tool has not yet been used to calculate a score.

Post Disclosure Text & Drawings

Enter any additional information relating to this disclosure below:

(Form Revised 12/17/97)